

Title (en)

SYSTEM AND METHOD FOR AUTONOMOUS VEHICLE CONTROL TO MINIMIZE ENERGY COST

Title (de)

SYSTEM UND VERFAHREN ZUR AUTONOMEN FAHRZEUGSTEUERUNG ZUR MINIMIERUNG VON ENERGIEKOSTEN

Title (fr)

SYSTÈME ET PROCÉDÉ DE COMMANDE DE VÉHICULE AUTONOME POUR MINIMISER LE COÛT ÉNERGÉTIQUE

Publication

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Application

EP 18848164 A 20180824

Priority

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Abstract (en)

[origin: US2019064793A1] A system and method for autonomous vehicle control to minimize energy cost are disclosed. A particular embodiment includes: generating a plurality of potential routings and related vehicle motion control operations for an autonomous vehicle to cause the autonomous vehicle to transit from a current position to a desired destination; generating predicted energy consumption rates for each of the potential routings and related vehicle motion control operations using a vehicle energy consumption model; scoring each of the plurality of potential routings and related vehicle motion control operations based on the corresponding predicted energy consumption rates; selecting one of the plurality of potential routings and related vehicle motion control operations having a score within an acceptable range; and outputting a vehicle motion control output representing the selected one of the plurality of potential routings and related vehicle motion control operations.

IPC 8 full level

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